# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name of work: Estimate for Providing and Asphalting to Road at Shabarinagara in Ward No.06, Byatarayanapura Sub Division

| | | | | | | | | | Estimate Cost Rs. | 1900000.00 |
|---|---|---|---|---|---|---|---|---|---|---|
| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount | |
| 1 | KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2012-13 | cum | | | | | | | | |
| | **Desiltation Of Drains** | | | | | | | | | |
| | Teja's House Road | | 2 | 205.00 | 0.40 | 0.35 | 57.40 | | | |
| | Shabarinagara 1st Cross | | 2 | 100.00 | 0.40 | 0.35 | 28.00 | | | |
| | Shabarinagara 2nd Main Road | | 2 | 150.00 | 0.40 | 0.35 | 42.00 | | | |
| | Cross Roads | | 4 | 45.00 | 0.40 | 0.35 | 25.20 | | | |
| | Ganapathi Temple Road | | 2 | 150.00 | 0.40 | 0.35 | 42.00 | | | |
| | Cross Roads | | 4 | 35.00 | 0.40 | 0.35 | 19.60 | | | |
| | **Burm Cutting** | | | | | | | | | |
| | Teja's House Road | | 2 | 205.00 | 0.65 | 0.15 | 39.98 | | | |
| | Shabarinagara 1st Cross | | 2 | 100.00 | 0.65 | 0.15 | 19.50 | | | |
| | Shabarinagara 2nd Main Road | | 2 | 150.00 | 0.65 | 0.15 | 29.25 | | | |
| | Cross Roads | | 4 | 45.00 | 0.65 | 0.15 | 17.55 | | | |
| | Ganapathi Temple Road | | 2 | 150.00 | 0.65 | 0.15 | 29.25 | | | |
| | Cross Roads | | 4 | 35.00 | 0.65 | 0.15 | 13.65 | | | |
| | | | | | | | **363.38** | 112.32 | **40814.00** | |
| | Basic Rate | 104.00 | | | | | | | | |
| | Area Weightage @ 8% | 8.32 | | | | | | | | |
| | **Total** | **112.32** | | | | | | | | |
| 2 | KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 166/ Item No. 20.18/ PWD SR 2011-12 | Cum | | | | | | | | |
| | Teja's House Road | | 1 | 205.00 | 5.00 | 0.15 | 153.75 | | | |
| | Shabarinagara 1st Cross | | 1 | 100.00 | 5.00 | 0.15 | 75.00 | | | |
| | Shabarinagara 2nd Main Road | | 1 | 150.00 | 5.00 | 0.15 | 112.50 | | | |
| | Cross Roads | | 4 | 45.00 | 5.00 | 0.15 | 135.00 | | | |
| | Ganapathi Temple Road | | 1 | 150.00 | 5.00 | 0.15 | 112.50 | | | |
| | | | | | | | **588.75** | 1059.48 | **623769.00** | |
| | Basic Rate | 981.00 | | | | | | | | |
| | Area Weightage @ 8% | 78.48 | | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Total | **1059.48** | | | | | | | |
| 3 | KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications MORTH chapter 5, No. 172/ Item No. 21.4.2/ PWD SR 2012-13 Medium Porosity | **Sqm** | | | | | | | |
| | Teja's House Road | | 1 | 205.00 | 5.00 | | 1025.00 | | |
| | Shabarinagara 1st Cross | | 1 | 100.00 | 5.00 | | 500.00 | | |
| | Shabarinagara 2nd Main Road | | 1 | 150.00 | 5.00 | | 750.00 | | |
| | Cross Roads | | 4 | 45.00 | 5.00 | | 900.00 | | |
| | Ganapathi Temple Road | | 1 | 150.00 | 5.00 | | 750.00 | | |
| | | | | | | | **3925.00** | 85.10 | **334033.00** |
| | Basic Rate | 78.80 | | | | | | | |
| | Area Weightage @ 8% | 6.30 | | | | | | | |
| | Total | **85.10** | | | | | | | |
| 4 | KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thikness with 5% Birumen80/100grade (gradingII) P.No. 175/ Item No. 21.20.1/ PWD SR 2012-13 | Cum | | | | | | | |
| | Teja's House Road | | 1 | 205.00 | 5.00 | 0.025 | 25.63 | | |
| | Shabarinagara 1st Cross | | 1 | 100.00 | 5.00 | 0.025 | 12.50 | | |
| | Shabarinagara 2nd Main Road | | 1 | 150.00 | 5.00 | 0.025 | 18.75 | | |
| | Cross Roads | | 4 | 45.00 | 5.00 | 0.025 | 22.50 | | |
| | Ganapathi Temple Road | | 1 | 150.00 | 5.00 | 0.025 | 18.75 | | |
| | | | | | | | **98.13** | 8829.00 | **866346.00** |
| | Basic Rate | 8175.00 | | | | | | | |
| | Area Weightage @ 8% | 654.00 | | | | | | | |
| | Total | **8829.00** | | | | | | | |
| | | | | | | | | | |
| 5 | Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km ( Page No.123, | Cum | | | | | | | |
| | | | Qty. Vide Item No. 1 | | | | **363.38** | | 26417.7 |
| | Average Weight of Earth 1.28 Ton/Cum | | | | | | ~~**465.12**~~ | 67.32 | **31312.00** |
| | Basic Rate Lead Charges Upto 2.00 Kms | 5.12 | | | | | | 72.20 | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | PWD SR 2010-11 (P.118/I.17.1) For loading and unloading | 62.20 | | | | | | | |
| | Total | 67.32 | | | | | | | |
| | S.Y. AW | S-38 = 72-70. | | | | | | | |
| 6 | Miscesallaneous Charges | L/S | | | | | | | 3726.00 |
| | | | | | | | | Total | 1900000.00 |

**(Rupees Ninteen Lakhs Only)**

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2012-13
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs. 19.00 lakh
nineteen lakh only
PWD - 2012-13
P-1721
Registered as EE No: 282 /12-13 Subject to conditions contained enclosed memo.
No: 282 /12-13 Dt. 10.1.13
AE/JE
EE (BTP. Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs.
Rupees Nineteen lakh only
Under PWD - 2012-13
P-1721
Registered as EE ( ) No 3 ...9....
Subject to conditions contained in enclosed memo EE(BTP) No 799 /9/...
Dt 7.1.13 Estimate Administrative
JC A&A No 799/12-13
dated 7.1.13 Rs 19.00 lakh

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru

10/1/2013